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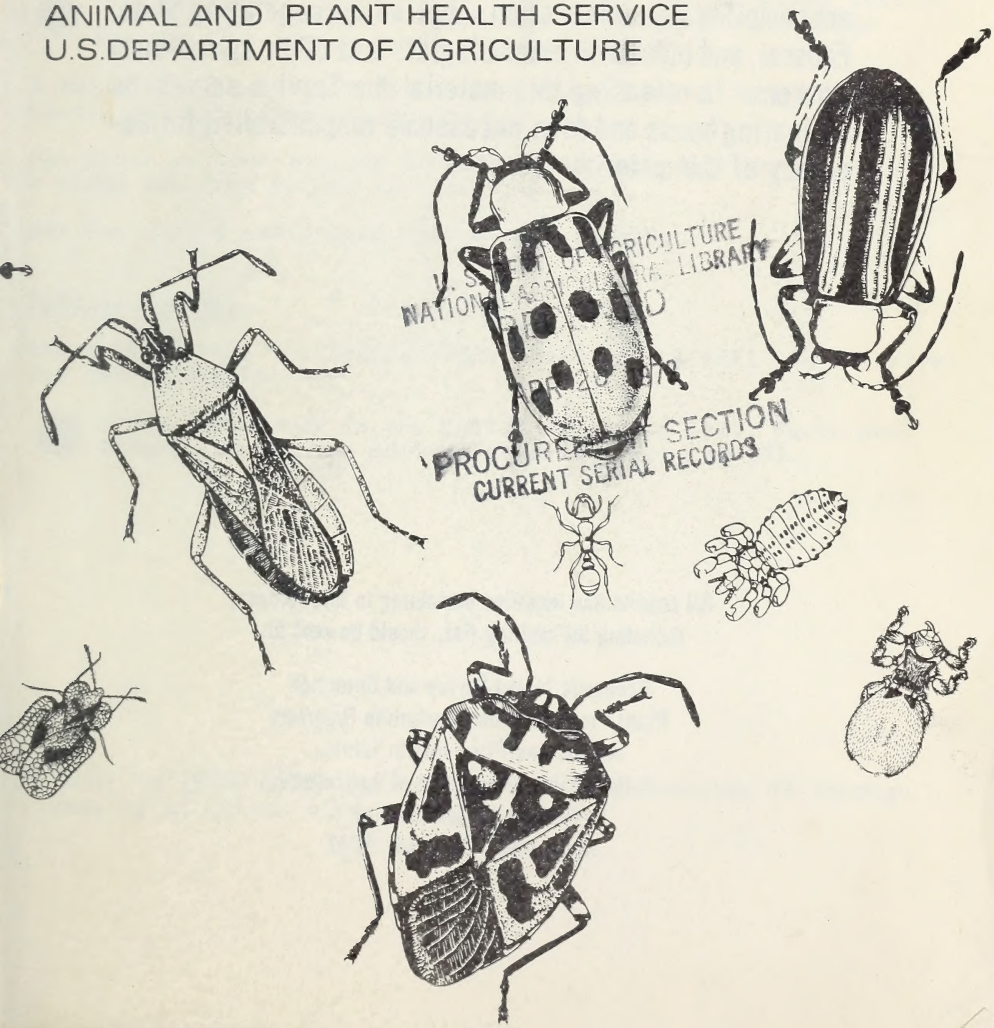
Cooperative Economic Insect Report

Issued by
PLANT PROTECTION AND QUARANTINE PROGRAMS
ANIMAL AND PLANT HEALTH SERVICE
U.S.DEPARTMENT OF AGRICULTURE



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PLANT PROTECTION AND QUARANTINE PROGRAMS
ECONOMIC INSECT SURVEY AND DETECTION STAFF

The Cooperative Economic Insect Report is issued weekly as a service to American Agriculture. Its contents are compiled from information supplied by cooperating State, Federal, and industrial entomologists and other agricultural workers. In releasing this material the Service serves as a clearing house and does not assume responsibility for accuracy of the material.

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Volume 22 January 28, 1972 Numbers 1-4

COOPERATIVE ECONOMIC INSECT REPORT

HIGHLIGHTS

Current Conditions

GREENBUG remains light in most States; some light damage and population increase in Rolling Plains of Texas. (p. 3).

SOUTHERN PINE BEETLE outbreak in Louisiana. (p. 4).

TOBACCO MOTH larvae losses heavy to stored tobacco in North Carolina. (p. 5).

Detection

- A CECIDOMYIID reported for first time from Florida. This is a new North American record. Larvae feed on some scale insects. Occurs in South America. (p. 5).

A WHITEFLY reported for first time from Florida. This is a new Contiental United States record. (p. 4).

New State records include a CECIDOMYIID from Florida (p. 4) and a GRASS BUG from Nevada (p. 6).

For new county and island records see page 6.

Special Reports

The 1972 outlook for GRASSHOPPERS based on the 1971 adult survey. See centerfold map.

- Insect Detection in the United States in 1971. Seven new Western Hemisphere records reported. (pp. 10-16).

Reports in this issue are for weeks ending December 24 through January 21 unless otherwise indicated.

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The 1972 outlook for GRASSHOPPERS. Centerfold.

NATIONAL WEATHER SERVICE'S 30-DAY OUTLOOK

MID-JANUARY TO MID-FEBRUARY 1972

The National Weather Service's 30-day outlook for mid-January to mid-February is for temperatures to average below seasonal normals in the Southwest and over the eastern half of the Nation except for near to above normal over the south Atlantic Coast States. Elsewhere near normal temperatures are in prospect except for above normal in Montana. Precipitation is expected to exceed normal over the Gulf and Atlantic Coast States as well as the Great Lakes region. Subnormal totals are indicated west of the Divide while near normal amounts are expected in unspecified areas.

Weather forecast given here is based on the official 30-day "Resume and Outlook" published twice a month by the National Weather Service. You can subscribe through the Superintendent of Documents, Washington, D.C. 20250. Price $5.00 a year.

SPECIAL INSECTS OF REGIONAL SIGNIFICANCE

ARMYWORM (Pseudaletia unipuncta) - ARKANSAS - Larva found in vetch in northwest area period ending January 21. (Boyer).

BEET LEAFHOPPER (Circulifer tenellus) - CALIFORNIA - Populations remain on brush stands throughout most of Central Valley. Ranged 1-6 per sweep in Kern County early in period. (Cal. Coop. Rpt.).

GREENBUG (Schizaphis graminum) - TEXAS - Light and widespread throughout Motley County. Some light damage to wheat in Hall and Jones Counties. Moderate infestations in Throckmorton County. Greenbug damage in panhandle remained static late December due to cold weather. (Boring, Pallmeyer). Populations increased week ending January 21 in Rolling Plains; still light in south-central areas. Damage light to oats and wheat from Rolling Plains area. Some controls applied. Light to heavy on wheat in Knox County. (Boring). OKLAHOMA - Continues to decline. Surveys negative in Payne County December 30. Ranged 0-2 per linear foot of wheat and oats in Mayes County. Averaged 5 per linear foot in early planted, ungrazed wheatfield in Payne County and 0 and 0.5 per linear foot in 2 fields planted later and grazed. (Okla. Coop. Sur.). KANSAS - Averaged 10 per row foot of wheat in Shawnee County and ranged 0-2 per row foot in 3 Pottawatomie County fields early in period. About 5 percent winged. Ranged 3-57 per row foot (4 fields) in Morris County and 26 per row foot in Dickinson County field. (Bell). ARKANSAS - Appeared on wheat in northwest areas period ending January 21. (Boyer).

SPOTTED ALFALFA APHID (Therioaphis maculata) - ARIZONA - Ranged per 100 sweeps of alfalfa in Yuma County period ending January 7: 120-140 at Yuma, 20-500 at Parker. Counts of 1,500 per 100 sweeps in one field on Yuma Mesa, leaves turning purple. Counts of 265 per 100 sweeps of alfalfa in Yuma Valley, Yuma County, period ending January 14. CALIFORNIA - This species and Frankliniella occidentalis (western flower thrips) in scattered fields of alfalfa in Imperial County period ending January 21. Some controls needed. (Cal. Coop. Rpt.).

CORN, SORGHUM, SUGARCANE

SOUTHWESTERN CORN BORER (Diatraea grandiosella) - NEW MEXICO - Percent of cornstalks infested ranged 75-100 in Chaves and Eddy Counties. (Mathews).

SMALL GRAINS

A GELECHIID MOTH (Leucogonia californica) - CALIFORNIA - Larvae infested newly planted wheat at Knights Landing, Yolo County. Larvae mined out germ of wheat. Larvae ranged 10-50 per square foot in heavier infestations. First occurrence of this type of damage. No host was associated with this species as larval form not associated with adult in early records. (Cal. Coop. Rpt.).

HESSIAN FLY (Mayetiola destructor) - KANSAS - Heavy in wheatfield in Morris County. Many plants dead or dying and most plants had 1+ infested tillers. Four other fields surveyed negative. Light infestation found in field in Butler County but 4 others negative. Negative in 3 fields in Harvey County. (Bell).

WINTER GRAIN MITE (Penthaleus major) - TEXAS - Damage light to wheat and other small grains in Rolling Plains counties. Damage light to oats and wheat in Jones County. (Boring).

TURF, PASTURES, RANGELAND

A CECIDOMYIID (Asteromyia modesta) - FLORIDA - Adults reared from leaves of daisy fleabane (Erigeron sp.) at Miami, Dade County, by C.E. Stegmaier April 16, 1971. Determined by R.J. Gagne. This is a new State record. (Fla. Coop. Sur.).

GRASSHOPPERS - NEVADA - Specimens of Opeia obscura collected at Alamo, Lincoln County, August 9, 1971 by G.M. Nishida and D.F. Zoller; and Cordillacris cinerea collected at Rocky Canyon, Pershing County, by R.C. Bechtel and P.C. Martinelli. Determinations by R.C. Bechtel. These are new county records. (Bechtel).

FORAGE LEGUMES

ALFALFA WEEVIL (Hypera postica) - KENTUCKY - Eggs averaged 154 per square foot in several alfalfa fields in Fayette County, and period ending January 21, averaged 124 per square foot. (Barnett). MISSOURI - Egg counts during November ranged from 3.2 per square foot in north-central area to 1,275.2 in south-central area. Heavy counts in central and south-central areas. (Huggans).

GENERAL VEGETABLES

CABBAGE LOOPER (Trichoplusia ni) - FLORIDA - Larvae appearing in damaging populations on lettuce in Palm Beach County, January 11. (Janes).

CITRUS

CITRUS RED MITE (Panonychus citri) - ARIZONA - Heaviest count of 6.2 per leaf from lemon groves at Yuma Mesa, Yuma County. (Ariz. Coop. Sur.).

ORNAMENTALS

A WHITEFLY (Pealius hibisci) - FLORIDA - Specimen collected from cassava in nursery at Samsula, Volusia County, by C.L. Speaker and C.R. Roberts on July 3, 1971. Determined by L.M. Russell. (Fla. Coop. Sur.). This is a new record for Contiental United States. This is a oriental species. Common in Hawaii on hibiscus and gardenia. (PP).

FOREST AND SHADE TREES

SOUTHERN PINE BEETLE (Dendroctonus frontalis) - LOUISIANA - Outbreak in about 4 million acres. During period September to December 10 million board feet salvaged. Estimated additional 10 million board feet need to be salvaged. Weather hindering salvage operations. (Nachod USFS).

A WEEVIL (Hylobius aliradicis) - FLORIDA - Adult found on floor of house at Astor Park, Lake County, January 15, by L.W. Taylor. This is a new county record. Feeds on roots of slash pine. (Woodruff).

SPRUCE BUD SCALE (Physokermes piceae) - OREGON - Old scales and crawlers present on Alberta spruce, at Portland nursery, Multnomah County. (Nicoliason). Presence of crawler stage at this time of year is unusual. (Penrose).

MAN AND ANIMALS

SCREWWORM (Cochliomyia hominivorax) - Total of 21 cases reported in U.S. December 18 to January 21 as follows: TEXAS - 21. Total of 444 laboratory-confirmed cases reported in portion of Barrier Zone in Republic of Mexico as follows December 26 to January 21: Sonora 116, Chihuahua 22, Coahuila 52, Nuevo Leon 37, Tamaulipas 217. Total of 21 cases reported in Mexico south of Barrier Zone. Barrier Zone is area where eradication operation underway to prevent establishment of self-sustaining population in U.S. Sterile screwworm flies released: Texas 55,852,000; Mexico 354,168,000. (Anim. Health).

CATTLE LICE (Haematopinus spp.) - CALIFORNIA - Mainly H. eurysternus (shortnosed cattle louse) first heavy infestations of season on cattle in McClain, Cotton, and Cimarron Counties. Moderate in Marshall County. Remain light in Payne County. (Okla. Coop. Sur.). OKLAHOMA - Mostly H. eurysternus moderate on cattle in Ottawa County. Populations beginning to increase in untreated herds. Heavy on cattle in Cotton and Pontotoc Counties. Moderate to heavy in Hughes County. (Okla. Coop. Sur.).

COMMON CATTLE GRUB (Hypoderma lineatum) - OKLAHOMA - Ranged 0-22 per head on cattle in Payne County. Moderate on cattle in Cimarron, Cotton, and Marshall Counties. (Okla. Coop. Sur.).

EAR TICK (Otobius megnini) - OKLAHOMA - Heavy on cattle in Cotton County. (Okla. Coop. Sur.).

WINTER TICK (Dermacentor albipictus) - OKLAHOMA - Light on cattle in Choctaw County. Severe infestation on one herd of horses north of Hugo. (Okla. Coop. Sur.).

STORED PRODUCTS

TOBACCO MOTH (Ephestia elutella) - NORTH CAROLINA - Preliminary results show losses heavy to stored flue-cured tobacco in some central Coastal Plain counties. Estimated pound loss by county: Onslow 2,000; Cumberland 2,000; Duplin 40,000; Edgecombe 75,000; and Greene 60,000. Losses continue heavy period ending January 21, estimates of 150,000 pound loss in Johnston County and 5,000 pounds in Halifax County. Percent of growers with problems range from 3 in Halifax County to 90 in Columbus County. (Ext. Ser.). CALIFORNIA - Infested honey bee combs in storage at Camarillo, Ventura County. Larvae 100 per hive and damage noted. (Cal. Coop. Rpt.).

BENEFICIAL INSECTS

A CECIDOMYIID (Olesicoccus coccididora) - FLORIDA - Adults reared from Barbados cherry period July 21-26, 1971 at Hialeah, Dade County by C.E. Stegmaier. Determined by R.J. Gagne. (Fla. Coop. Sur.). This is a new North American record. Larvae of this species feed on eggs of some scale insects. Occurs in South America. (PP).

FEDERAL AND STATE PLANT PROTECTION PROGRAMS

IMPORTED FIRE ANT (Solenopsis saevissima richteri) - ALABAMA - Mound building heavy in Mobile County. Winged forms in mounds in Lee County, period ending January 21. (Vickery et al.).

GRASS BUGS (Labops spp.) - NEVADA - L. hesperius adults collected on crested wheatgrass near Jarbidge, Elko County, July 23, 1970 by B. Webster. Determined by R.C. Bechtel. This is a new State record. L. hirtus nymphs and adults collected on Kentucky bluegrass at Big Creek Canyon, Lander County, June 30, 1971 by R.C. Bechtel and P.C. Martinelli. Determined by R.C. Bechtel. This is a new county record. (Bechtel).

PINK BOLLWORM (Pectinophora gossypiella) - NEW MEXICO - Forming cocoons on cotton roots in fields previously found infested in southern Dona Ana County. Infested bolls generally ranged 4-20 percent at Roswell, Chaves County and at Artesia, Eddy County. (N.M. Coop. Rpt.). Lint cleaner inspections indicated spotted infestations occur throughout Dona Ana County end of December. (Hare).

RANGE CATERPILLAR (Hemileuca oliviae) - NEW MEXICO - One adult female collected on rangeland at White Oak, Lincoln County. Egg clusters easy to find but hard to estimate counts, late December. (Perry).

DETECTION

New North American Record - A CECIDOMYIID (Olesicoccus coccididora) - FLORIDA - Dade County. (p. 5).

New State Records - A CECIDOMYIID (Asteromyia modesta) - FLORIDA - Dade County. (p. 4). A GRASS BUG (Labops hesperius) NEVADA - Elko County (p. 6). A WHITEFLY (Pealius hibisci) - FLORIDA - Volusia County. (p. 4).

New County and Island Records - AN ARMORED SCALE (Fiorinia fioriniae) HAWAII - Lanai (p. 7). A GRASSHOPPER (Opeia obscura) NEVADA - Lincoln (p. 4). A GRASSHOPPER (Cordillaeris cinerea) NEVADA - Pershing (p. 4). A GRASS BUG (Labops hirtus) NEVADA - Lander (p. 6). SORGHUM MIDGE (Contarinia sorghicola) HAWAII - Hawaii (p. 7). A WEEVIL (Hylobius aliradicis) FLORIDA - Lake (p. 4).

Corn, Sorghum - SORGHUM MIDGE (Contarinia sorghicola) recovered from sorghum at Kohala, Hawaii, for a new island record. (Mitchell, Kobayashi). All stages of CARMINE SPIDER MITE (Tetranychus cinnabarinus) moderate to heavy in 20 acres of corn and sorghum at Kaunakakai, Molokai; routine controls had been applied. (Fujimoto).

General Vegetables - BEET ARMYWORM (Spodoptera exigua) infestations increased to moderate in green onion fields at Waianae, Oahu; many fields show as much as 30 percent of leaves affected during period ending December 24. Following week, larvae trace in 3,000 square foot planting at Waimanalo. Also in whorls of sweet corn in same area. (Au, Kawamura). All stages of MELON APHID (Aphis gossypii) moderate to heavy in acre of young sweet pepper at Waianae, Oahu. Light to moderate damage by DIAMONDBACK MOTH (Plutella xylostella) to 40 percent of leaves in 5,000 square feet of daikon at Waimanalo and 80 percent of leaves at Pearl City, Oahu first 14 days of reporting period. Third week, larvae and pupae light in 3,000 square feet of daikon at Koko Head. Adults light.

Forest and Shade Trees - Follow up surveys for an ADELGID (Pineus pini) positive on previously treated bonsai plants for eggs on Hawaii. Controls applied. Infestations continue on Parker Ranch. Eradication efforts continue on Maui. (Yoshioka et al.). All stages of an ARMORED SCALE (Fiovinia fioriniae) moderate on Montery pine on Lanai for a new island record. (Miyahira).

Fruits and Nuts - Collected 8 larvae of a SWALLOWTAIL BUTTERFLY (Papilio xuthus) from lime tree at Ewa, Oahu. Surveys during previous 30 days negative on this tree. (Au). All stages of BARNACLE SCALE (Ceroplastes cirripediformis) light in 160 acres of passion fruit at Kahului, Maui. Controls applied. No parasite activity noted. (Miyahira).

Man and Animals - Collected 146 VEXANS MOSQUITO (Aedes vexans nocturnus) and 1,778 SOUTHERN HOUSE MOSQUITO (Culex pipiens quinquefasciatus) in 55 light traps on Oahu. Aedes ranged 0-51 per trap at Ewa. Culex ranged 0-51 per trap at Sunset Beach. (Mosq. Contr. Br., Dept. of Health).

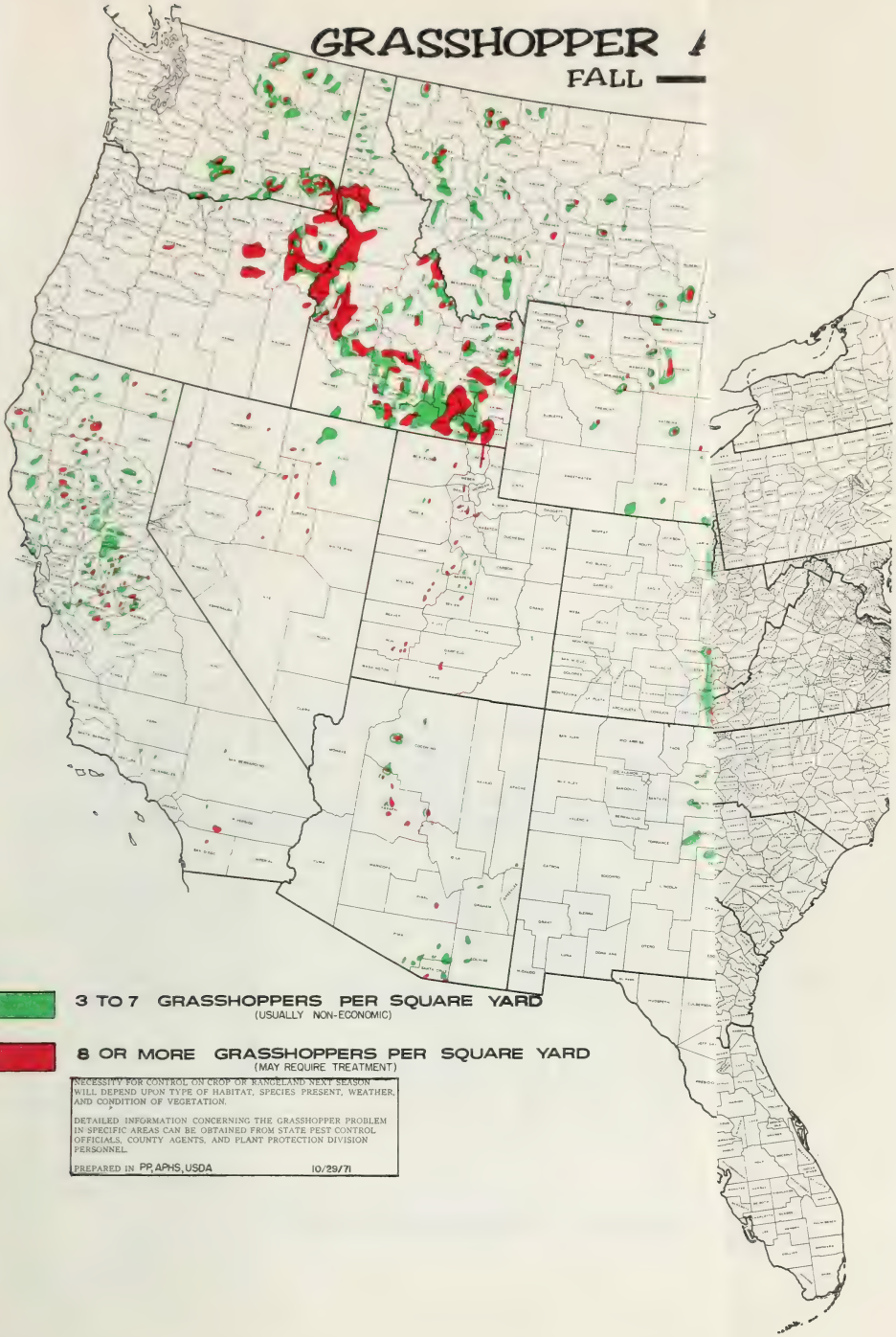
Miscellaneous Pests - Total of 72 specimens of GIANT AFRICAN SNAIL (Achatina fulica) recovered during December on Kauai, 71 at Poipu, and single 5 inch long specimen at Wahiawa. Controls continue. (Sugawa). Eggs, juveniles, and adults heavy in 40 square yards of wasteland on Oahu. About 12 specimens of Euglandina rosea (rosy predator snail) noted amid infestation. (Olson).

WEATHER OF THE WEEK ENDING JANUARY 24

Reprinted from Weekly Weather and Crop Bulletin supplied by Environmental Data Service, NOAA.

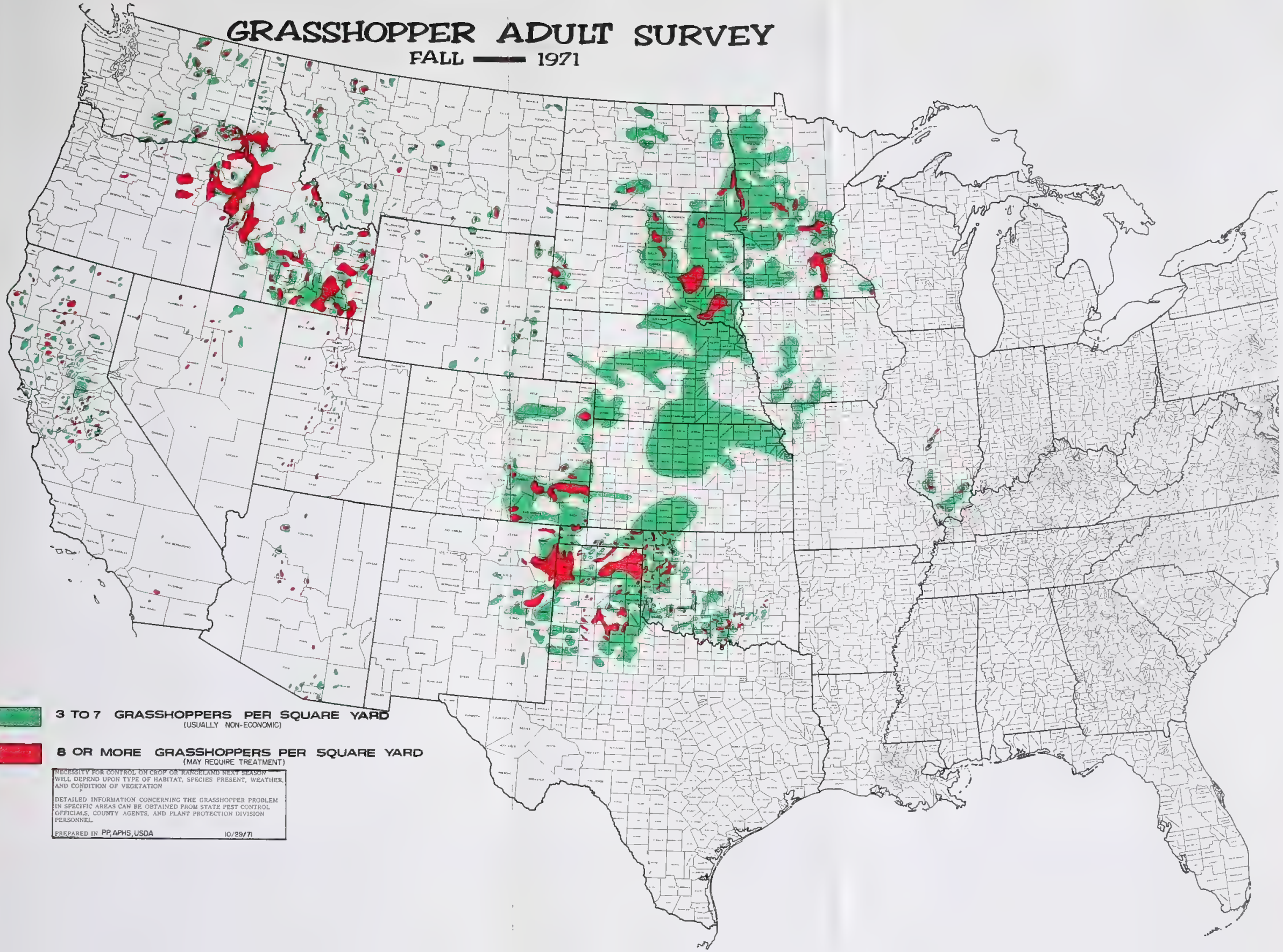
PRECIPITATION: Precipitation was sparse over most of Nation Monday January 17. Skies were clear and sunshine abundant due to two large high pressure systems, one over the Great Basin and the other over the East. By Monday evening, cold air was pouring into Montana. Snow accompanied the outbreak and by midnight, 3 inches had fallen at Great Falls. Winds at Livingston, Montana, gusted to 67 m.p.h. By Tuesday morning, Billings, Montana, lay under 3 inches of new snow and wind at Lander, Wyoming had gusted to 75 m.p.h. By Wednesday, the pattern for the week was getting fairly well established. Quasi Stationary Front stretched from the central Great Plains to Virginia. Snow fell from the northern Rocky Mountains to the upper Mississippi River Valley. Northerly winds caused snow flurries on the southern shore of Lake Superior. Moist southerly winds caused cloudy skies with showers and thunderstorms from the Ohio River to the Gulf of Mexico. Dense fog covered parts of Kansas and Missouri Thursday morning. Snow mixed with sleet and freezing rain slicked highways and made travel difficult over a narrow strip, which separated the snow zone on the north from showers and thunderstorms on the south. Thursday evening, snow had spread eastward to western New York and freezing rain iced central Pennsylvania and central New York.

TEMPERATURE: Brisk southerly winds behind the eastern high warmed the southern and central Great Plains. By midweek, the central Great Plains had warmed to the 60's and 70's. Ardmore, Oklahoma, registered 76° Tuesday afternoon. Brisk northerly winds held temperatures down over the northern Great Plains. Stations near the Canadian border from Cut Bank, Montana to Duluth, Minnesota remained below zero all day Wednesday. In contrast, Tampa, Florida registered 82° Wednesday afternoon. At midweek, the front stretched from the central Great Plains to Virginia. Northerly winds cooled the area north of the front. Southerly breezes warmed the southland. Temperatures reached the 80's over much of Texas Saturday and Sunday afternoons. Cotulla registered 91° Sunday, when temperatures from the Ohio River to the Gulf of Mexico reached the 60's and 70's. Temperatures averaged colder than normal along the southern coast of California along the Canadian border from Montana to Lake Superior and northern Maine. Rest of the Nation averaged warmer than normal. Great Basin, central Rocky Mountains and a large area from eastern Texas to western Tennessee averaged 12° or more warmer than normal.


GRASSHOPPER
FALL
3 TO 7 GRASSHOPPERS PER SQUARE YARD
(USUALLY NON-ECONOMIC)
8 OR MORE GRASSHOPPERS PER SQUARE YARD
(MAY REQUIRE TREATMENT)
NECESSITY FOR CONTROL ON CROP OR RANGELAND NEXT SEASON WILL DEPEND UPON TYPE OF HABITAT, SPECIES PRESENT, WEATHER, AND CONDITION OF VEGETATION.
DETAILED INFORMATION CONCERNING THE GRASSHOPPER PROBLEM IN SPECIFIC AREAS CAN BE OBTAINED FROM STATE PEST CONTROL OFFICIALS, COUNTY AGENTS, AND PLANT PROTECTION DIVISION PERSONNEL.
PREPARED IN PP, APHS, USDA 10/29/71

GRASSHOPPER ADULT SURVEY

FALL —— 1971



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PREPARED IN PP, APHS, USDA 10/29/71

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH SERVICE

Plant Protection and Quarantine Programs

TO COOPERATORS:

This map is based upon the results of cooperative grasshopper adult surveys made during the late summer and fall of 1971. The survey reveals where and how many grasshoppers infest an area, and indicates the potential severity of infestations for 1972. Nymphal surveys, made in the spring, determine population densities, and indicate those areas where control may be necessary in 1972.

Control on grasshopper infested croplands will be handled by the farmers with technical assistance from Division and State personnel. The infested rangeland areas total 10,966,170 acres in 15 Western and Midwestern States. Areas on the map are diagrammatic. Within these areas, infestations may be solid or spotted.

RANGELAND GRASSHOPPER INFESTATIONS
ACREAGE BY REGIONS, FALL 1971

(Areas shown in red)

REGION AND STATE	LANDOWNERSHIP – ACRES		TOTAL ACRES
	PRIVATE & STATE	PUBLIC DOMAIN	
CENTRAL			
N. Dakota	12,000	--	12,000
S. Dakota	7,100	10,600	17,700
WESTERN			
Arizona	10,600	48,400	59,000
California	116,420	1,500	117,920
Colorado	880,000	20,000	900,000
Idaho	1,015,080	1,641,900	2,656,980
Montana	81,200	61,000	142,200
Nevada	20,310	32,750	53,060
New Mexico	625,000	--	625,000
Oregon	945,900	194,120	1,140,020
Utah	19,200	16,330	35,530
Washington	273,700	46,500	320,200
Wyoming	147,280	16,400	163,680
SOUTHERN			
Oklahoma	1,903,000	--	1,903,000
Texas	2,819,880	--	2,819,880

The survey was planned and performed by Plant Protection personnel in cooperation with various State Agencies concerned.

☆ GPO 790-718

UNIT

TO COOPERATORS:

This map is based upon the results of co survey reveals where and how many grasshoppers infest an are in the spring, determine population densities, and indicate thos

Control on grasshopper infested croplan ersonnel. The infested rangeland areas total 10,966,170 acres in s, infestations may be solid or spotted.

F

REGION AND STATE	LANDOWNERSHIP – ACR		TOTAL ACRES
	PRIVATE & STATE	PUBLIC DOM	
CENTRAL			
N. Dakota	12,000	--	625,000
S. Dakota	7,100	10,60	1,140,020
WESTERN			35,530
Arizona	10,600	48,40	320,200
California	116,420	1,50	163,680
Colorado	880,000	20,00	
Idaho	1,015,080	1,641,90	
Montana	81,200	61,00	1,903,000
Nevada	20,310	32,75	2,819,880

The survey was planned and performed by Plant

☆ GPO 790-718

LIGHT TRAP COLLECTIONS

	Temperature °F.	Precipitation (inches)	Type of trap (BL = blacklight; I = incandescent; MV = mercury vapor; O = other)	Aedes taeniorhynchus (black cutworm)	Euxoa scandens (cutworm, Gadsden)	Euxoa auxiliaris (grey cutworm)	Pseudaletia diffusa (Omaha head armyworm)	Pseudaletia unipuncta (armyworm)	Helicoverpa zea (corn earworm)	Heliothis virescens (tobacco budworm)	Heliothis zea (bollworm, corn earworm, tomato fruitworm)	Laphygma frugiperda (fodder armyworm)	Loxostege commiralis (alfalfa webworm)	Loxostege sticticalis (garden webworm)	Loxostege sticticalis (beet webworm)	Mocis latipes (velvet bean caterpillar)	Mocis repanda (Texas armyworm)	Mocis texana (Texas armyworm)	Spodoptera ornithogalli (yellow striped armyworm)	Peridroma saucia (variegated cutworm)	Pseudaletia unipuncta (armyworm)	Sphenarches caffer (fall armyworm)	Spodoptera frugiperda (fall armyworm)	Spodoptera ornithogalli (yellow striped armyworm)	Feltia subterranea (granulate cutworm)	[illegible]
FLORIDA																										
Gainesville 12/17-21			BL																					5		
Gainesville 12/22-28			BL				8													2						
Gainesville 12/29-1/6			BL		1		4																	1		
Gainesville 1/7-13			BL	1			2																	1		
Gainesville 1/14-20			BL				4													3						
MISSISSIPPI																										
Stoneville 12/17-30			2BL	40			52												3	51	4	3	10			
Stoneville 12/31-1/6	21-72	6.13	BL				7																1			
Stoneville 1/7-13	23-71	1.14	BL	3			5													2			3			

INSECT DETECTION IN THE UNITED STATES - 1971

Fifteen new United States records were reported in the Cooperative Economic Insect Report during the year. These included 7 species new to the Western Hemisphere - 6 in Hawaii and 1 in New York. There were also 8 new North American records - 2 in California, 1 in Hawaii, 1 in Nebraska, 2 in Oregon, and 2 in Virginia. Seventy-one new State distribution records of pests already found in the United States were reported.

NEW UNITED STATES RECORDS

Species	State	County	Probable Origin	Collected on	CEIR Page	Economic Importance
Aculus comatus 3/ an eriophyid mite	Oregon	Benton	Europe	Filberts	474, 481	Could be economic
Acyrthosiphon festucae 3/ an aphid	California	Los Angeles	Europe	Fescue grass	340, 349	Currently noneconomic
Ananca kanack 1/ an oedemerio	Hawaii	Hawaii	Tahiti	At light	594	None
Emmesomyia socia 1/ an anthomyiid fly	New York	Cayuga	Europe	A sphecid wasp	5	None
Euscelis ohausi 3/ a leafhopper	Oregon	Benton	Europe	Scotch broom	616, 620	Could be beneficial
Exuviaspis enceliae an armored scale	California	Riverside	Mexico	Encelia sp.	293, 299	Unknown
Haematoecha rubescens 1/ A reduviid bug	Hawaii	Oahu	China, Japan	Home	594	Unknown
Hexacola hexatoma 3/ A pteromalid wasp	Virginia	Montgomery	Europe	Frit fly	400, 402	Beneficial

Species	State	County	Probable Origin	Collected on	CEIR Page	Economic Importance
Lamenia caliginea 1/ A fulgorid plant-hopper	Hawaii	Ka ai	Pacific area	Trees	383, 385	Could be economic
Leucopis ocellaris * A chamaeyiid fly	Hawaii	Oahu	North America	A mealybug	481	Beneficial
Papilio xuthus 1/ A swallowtail butterfly	Hawaii	Oahu	Orient	Citrus spp.	383, 385	Could be economic
Pericyma cruegeri 1/ A noctuid moth	Hawaii	Kauai	Australia, Borneo	Royal poinciana	193, 298	Could be economic
Protopiophila australis 1/ A piophilid fly	Hawaii	Oahu	Australia, Fiji	Bones on beach	481	Beneficial
Sceptrothelys grandiclaua 3/ A pteromalid wasp	Nebraska	Dawson	Europe	Cocoons	699, 700	Economic
Trichomalus statutus 3/ A pteromalid wasp	Virginia	Montgomery	Europe	Frit fly	400, 402	Beneficial

1/ Western Hemisphere.

2/ Not in continental United States.

3/ North America.

* Genus currently under revision.

ADDITIONAL NEW STATE RECORDS

Species	State	County	Collected on	CEIR Page
Aceria theospyri An eriophyid mite	Virginia	King and Queen	persimmon	110
Acleris minuta A tortricid moth	Alabama	Cullman	apple trees	752
Aedes abserratus A mosquito	Maryland	Garrett	cranberry	548
Aedes riparius A mosquito	Pennsylvania	Indian Gap	-	780
Agkistrocerus megerlei A tabanid	South Carolina	Sumter	-	732
Antianthe expansa A membracid	Hawaii	Oahu Island	-	535
Aphis fabae Bean aphid	Oklahoma	Garvin	Cirsium undulatum thistle	696
Aphis hederae Ivy aphid	Oregon	Marion	ivy	58
Aphycus mexicanus An encyrtid wasp	Hawaii	Oahu Island	fiddlewood	165
Argyrotaenia pinatubana Pine tube moth	Missouri	St. Louis	white pine	32
Aroga websteri Sagebrush defoliator	Montana	Park	sagebrush	694
Brachycolus asparagi Asparagus aphid	Delaware	Kent	asparagus	709
Brachycolus asparagi Asparagus aphid	Maryland	Prince Georges	asparagus	660
Bucculatrix thurberiella Cotton leafperforator	Hawaii	Oahu Island	cotton	299
Carulaspis juniperi Juniper scale	Wisconsin	Dane	juniper	753
Ceratocombus vagans A jumping ground bug	New Hampshire	Hillsboro	leaf litter	460
Cerococcus parrotti A soft scale	Maryland	Prince Georges	Basswood tree	380

Species	State	County	Collected on	CEIR Page
Chaetophloeus heterodoxus A bark beetle	North Dakota	McHenry	chokecherry	684
Chelopistes meleagridis Large turkey louse	Oregon	Clackamas	turkeys	127
Cinara pinivora An aphid	Maryland	Prince Georges	Pinus taeda	779
Clavaspis subsimilis An armored scale	Florida	Monroe	red mangrove	265
Corythucha montivaga A lace bug	California	Mono	wyethia plants	742
Datana contracta A notodontid moth	Alabama	Lee	post oak	754
Dectes sayi A cerambycid beetle	Tennessee	Tipton	soybeans	3
Diabrotica longicornis Northern corn rootworm	Virginia	Floyd	alfalfa	680
Diabrotica virgifera Western corn rootworm	Michigan	Allegan	-	656
Diceroprocta vitripennis A cicada	Wisconsin	Sauk	cedar	83
Epitrix hirtipennis Tobacco flea beetle	South Dakota	Sanborn	-	632
Eriophyes canestrinii An eriophyid mite	Oregon	Benton	boxwood	58
Eucosma gloriola Eastern pineshoot borer	West Virginia	Mineral	pine	684
Eudecatoma marylandica An eurytomid wasp	Pennsylvania	Schuylkill	oak	620
Eurytoma obtusiventris A eurytomid wasp	Pennsylvania	York	golden rod	548
Eutrombicula belkini A chigger mite	Oregon	Harney	Collared lizards	236

Species	State	County	Collected on	CEIR Page
Exenterus canadensis An ichneumon	West Virginia	Boone	pupa of a conifer sawfly	432
Gargaria genitsae A treehopper	Oregon	Benton	Scotch broom	616
Hesperophanes pubescens A longhorned beetle	Virginia	Montgomery	light trap	567
Heterodera glycines Soybean cyst nematode	South Carolina	Horry	farm	781
Heterodera lespedezae Lespedeza cyst nematode	Tennessee	Haywood	lespedeza	32
Homaledra sabalella Palm leaf skeletonizer	Alabama	Mobile	palms	779
Kimminsia schwarzi A brown lacewing	Pennsylvania	Indiana	pine	754
Lepidosaphes pini An armored scale	Hawaii	Oahu Island	Pinus sp.	112
Lepidosaphes pini An armored scale	Pennsylvania	Philadelphia	pine	68
Lopholeucaspis japonica An armored scale	Delaware	New Castle	maple	532
Megachile concinna A leafcutting bee	Idaho	Canyon	-	348
Neacoryphus bicrucis A lygaeid bug	Hawaii	Oahu Island	leaf litter	402
Norape ovina A megalopygid moth	Tennessee	Knox	redbud	742
Notoedres douglasi An itch mite	Oregon	Hood River	squirrel	127
Oryzaephilus mercator Merchant grain beetle	Nevada	Clark	dog food	5
Oulema melanopus Cereal leaf beetle	Wisconsin	Walworth	oats	432

Species	State	County	Collected on	CEIR Page
Paralobesia liriodendrana An olethreutid moth	Alabama	Macon	poplar	779
Pericyma cruegeri A noctuid moth	Hawaii	Kauai Island	royal poinciana	298
Phenacoccus aceris Apple mealybug	California	Siskiyou	shrubs	414
Phloeotribus dentifrons A bark beetle	North Dakota	McHenry	hackberry	684
Phoebis sennae A pierid moth	Alabama	Marengo	Cassia alta	779
Pinyonia edulicola A midge	Wyoming	Albany	pine	263
Platygaster obscuripennis A platygasterid wasp	Pennsylvania	Sullivan	willow	548
Porthetria dispar Gypsy moth	District of Columbia		-	548
Psilocorsis faginella An oecophorid moth	Alabama	Houston	oak	753
Pteromalus venustus A pteromalid wasp	South Dakota	Brookings	nest	363
Pulvinaria ericicola A soft scale	Delaware	New Castle	azaleas	432
Rhopalosiphum padi An aphid	Tennessee	Knox	small grain	340
Rhopalosiphum padi An aphid	Virginia	Botetourt	wheat	777
Rhyacionia bushnelli An olethreutid moth	California	San Diego	pine	662
Rhyacionia rigidana Pitch pine tip moth	Missouri	Texas	pine	58
Rumina decollata A snail	Alabama	Montgomery	-	778
Schizaphis graminum Greenbug	Oregon	Umatilla	barley	259

Species	State	County	Collected on	CEIR Page
Sitona scissifrons A weevil	Missouri	Atchison	alfalfa	67
Tabanus cymatophorus A tabanid	South Carolina	Newberry	-	733
Tenthredinidae nematus abbottii A sawfly	Alabama	Lee	locust	567
Tetralopha asperatella A pyralid moth	Alabama	Houston	oak	753
Tetralopha militella A pyralid moth	Alabama	Lee	sycamore	753

Prepared by Economic Insect
Survey and Detection Staff
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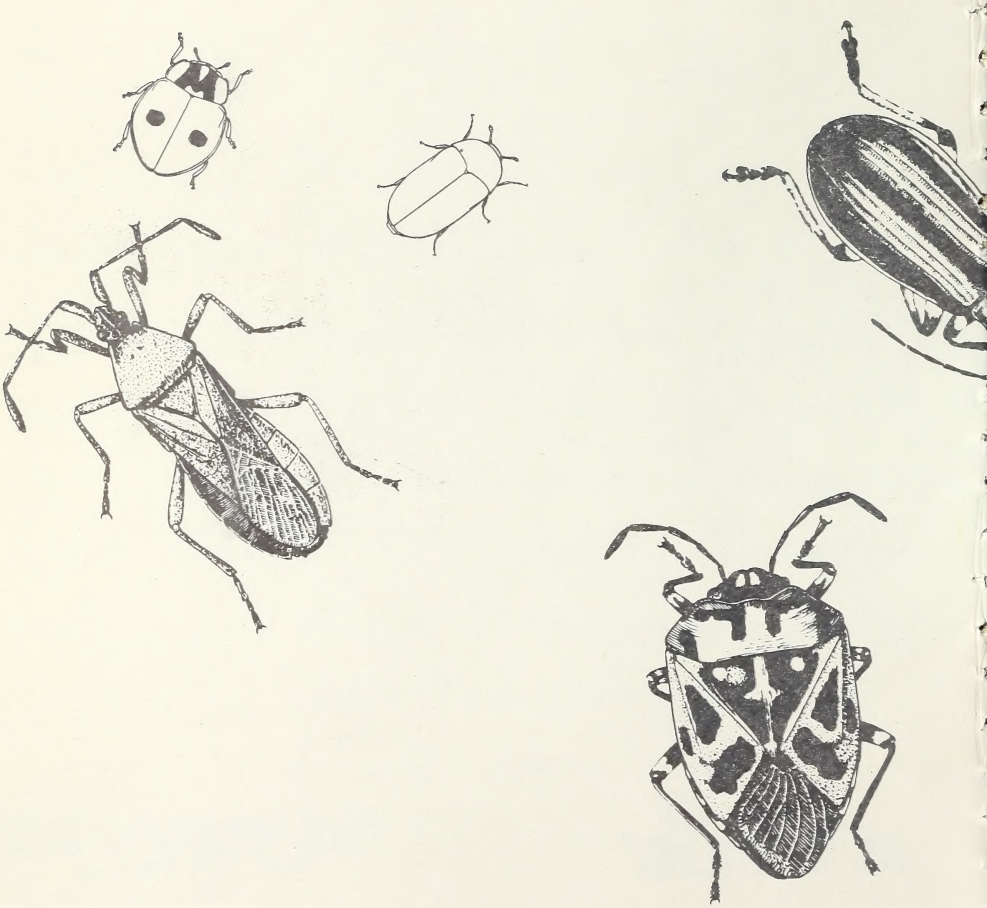
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